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410 Rec'd PCT/PTO 18 MAY 2000

FORM PTO-1390
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

22716PCT/US

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/554858

INTERNATIONAL APPLICATION NO.
PCT/EP98/07300INTERNATIONAL FILING DATE
November 16, 1998PRIORITY DATE CLAIMED
November 20, 1997

TITLE OF INVENTION
CANDLE BASE MATERIAL AND PROCESS FOR PREPARING A CANDLE BASE MATERIAL


APPLICANT(S) FOR DO/EO/US
Michael Matthäi, et al

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). (PCT/IPEA/401)
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. /
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau. (PCT/IB/308)
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)). (8 pages)
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An/oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (2 pages)
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (1 PTO-1449; copy of International Search Report in English - 3 pages - listing references and their relevance)
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.*Enter Preliminary Amendment before calculating claim fees
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: WO 99/27042 (cover sheet - with abstract)
17. ☒ PCT/IPEA/401
18. ☒ PCT/IB/308
19. ☒ CLAIM IS HEREBY MADE OF THE BENEFIT OF THE FILING DATE OF German Patent Application 197 51 351.4 filed November 20, 1997 UNDER 35 USC 119
- 20 ☒ Express Mail mailing label No. EJ450233556US deposited May 18, 2000

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 09/554858		INTERNATIONAL APPLICATION NO. PCT/EP98/07300		ATTORNEY'S DOCKET NUMBER 22716PCT/US	
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$760.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY	
Charge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
claims	12 - 20 =	0	X \$18.00	\$	0
independent claims	2 - 3 =	0	X \$78.00	\$	0
MULTIPLE DEPENDENT CLAIM(S) (if applicable) (*)			+ \$260.00	\$	0
TOTAL OF ABOVE CALCULATIONS =				\$	840.00
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement also by filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	
SUBTOTAL =				\$	840.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$	840.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$	840.00
				Amount to be:	\$
				refunded	\$
				charged	\$
					\$
a. <input checked="" type="checkbox"/> A check/in the amount of \$ ¹³¹¹² 840.00 to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-0105</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. (*Enter Preliminary Amendment before calculating claim fees)					
SEND ALL CORRESPONDENCE TO: MARTIN A. FARBER 866 United Nations Plaza, Suite 473 New York, NY 10017 Tel (212) 758-2878 Fax (212) 758-2913				SIGNATURE:  Martin A. Farber NAME Reg. No. 22,345 REGISTRATION NUMBER	

22716PCT/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL mailing label No. EJ450233556US
Deposited May 18, 2000

USA PCT National Stage Patent Application
PCT/EP98/07300 filed November 16, 1998

Michael Matthäi, et al

CANDLE BASE MATERIAL AND PROCESS FOR
PREPARING A CANDLE BASE MATERIAL

Priority: German Patent Application
197 51 351.4 filed November 20, 1997

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

S I R :

PRELIMINARY AMENDMENT

Please amend this application simultaneously with filing this
National Stage application as follows:

IN THE ABSTRACT

Please use the English Abstract on WO 99/27042

IN THE SPECIFICATION

PAGE 1

Line 4, before this line, after the title, insert

--FIELD AND BACKGROUND OF THE INVENTION--

Line 16, before this line insert

--SUMMARY OF THE INVENTION--

Line 21, change "in ... Claim 1," to --by the invention--

PAGE 4

Line 1, before this line insert

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT--

Line 7, change "C8" to --C18--

PAGE 6

Lines 3-9, delete these lines

IN THE CLAIMS

Before claim 1, change "Claims" to --WE CLAIM:--

Please cancel claims 1-9 without prejudice or disclaimer of the subject matter therein and substitute the following new claims therefor:

--10. Candle base material for producing a candle with a candle body, the candle base material being partially composed of white oil and of a copolymer, wherein the candle base material has synthetic paraffin of chain length C18 to C20 as another constituent.

11. Candle base material according to claim 10, wherein the candle base material has poly-alpha-olefins as a further constituent.

12. Candle base material according to claim 10, wherein the candle base material has (low-melting point paraffin fractions) as a further constituent.

13. Candle base material according to claim 10, wherein the candle base material has as a further constituent products obtained from naturally occurring fats and oils and prepared by chemical modification processes, for example butyl sterate.

14. Candle base material according to claim 10, wherein the copolymer is selected from the group consisting of diblock, triblock, radial-block and multiblock copolymer.

15. Process for preparing a candle base material for a candle with a transparent candle body, comprising the steps of

partially composing the candle base material of white oil and of a copolymer, and

establishing a temperature-dependent change between opacity and clear transparency of the candle body by adding synthetic paraffins in a range of chain lengths from C18 to C20.

16. Process according to claim 15, wherein a temperature-dependent change between opacity and clear transparency of the candle body is established by adding poly-alpha-paraffins.

17. Process according to claim 15,
further comprising the step of adding low-melting point paraffin
fractions to the candle base material as a constituent.

18. Process according to claim 15,
further comprising the step of adding to the candle base material
as a constituent products obtained from naturally occurring fats
and oils and prepared by chemical modification processes, for
example butyl stearate.

19. Process according to claim 15,
further comprising the step of composing the candle base material
from 60 to 95% of a mixture made from the white oil and synthetic
paraffins in the chain length range from C18 to C20 and
establishing a change temperature by increasing or reducing the
proportion of paraffin in the mixture.

20. Process according to claim 19,
further comprising the step of setting the change temperature at
about 20°C by using approximately equivalent proportions of the
white oil and of the synthetic paraffins.

21. Process according to claim 15,
further comprising the step of selecting the copolymer from the
group consisting of diblock, triblock, radial-block and
multiblock copolymer.--

R E M A R K S

This Amendment accompanying this application is being made to amend the claims in order to avoid multiple-dependent claim fees. No multiple-dependent claim fees should apply.

The Examiner is respectfully requested to enter this Amendment prior to calculation of the filing fee as of the national stage filing date, and to provide an action on the merits.

Therefore no multiple-dependent claim fees should be charged in this application.


The specification and claims also have been amended for formal improvement to comply with USA practice.

Please use the Abstract on the cover sheet of WO 99/27042.

The Examiner is respectfully requested to enter this Amendment and provide an action on the merits.

Respectfully submitted

Michael Matthäi, et al

by:  _____
MARTIN A. FARBER
Attorney for Applicants
Registered Representative
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WO 99/27042

of PCT/EP98/07300

Candle base material and process for preparing a candle
base material

5 The invention relates firstly to a candle base
material, as used for producing a candle with a see-
through, transparent candle body, where the candle body
has white oil and a copolymer as some of its
constituents.

10 These types of candle base materials and,
respectively, of candles produced therefrom are already
known in a variety of embodiments. Reference is made,
for example, to WO 96/34077 and WO 97/08282. The base
materials for candles and, respectively, the candles
15 produced therefrom which are known from these documents
have a clear, transparent candle body.

The invention concerns the technical problem of
finding an improvement for a base material of this type
for candles and, respectively, a candle produced
therefrom.

20 This technical problem is first and foremost
solved in the subject-matter of Claim 1, which provides
that the candle base material comprises, besides a
white oil - an oil also termed hydrocarbon oil in the
literature - also synthetic paraffins in the chain
25 length range from C18 to C20. In this way, it is
achieved firstly that the candle is relatively closely
related to conventional paraffin candles. Surprisingly,
however, it is also achieved that a changeover from
transparent to opaque and vice versa appears, the
30 changeover being reversible and depending on a
particular temperature, the change temperature. As long
as the temperature of the candle base material and,
respectively, of the candle is lower than the change
temperature, the candle base material or, respectively,
35 the candle body produced therefrom is opaque. Once this
temperature is exceeded, a transition state is followed
by the appearance of a substantially completely clear,
transparent candle base material or, respectively, a
candle of this type. This can be advantageous in a

variety of respects. The candle may also serve as a temperature indicator. Secondly, when the candle burns in a relatively cool environment, a changeover from opaque to transparent, moving in the direction of the region of burning, can be observed to become established. This is moreover associated with corresponding optical effects. The characteristics of the candle body correspond to those of a conventional paraffin candle. It is also in particular self-supporting, and this also applies when sufficient of the paraffins mentioned have been added. On the other hand, the candle may also be formed by placing the candle base material for example in a receptacle. A wick passes through the centre of the candle body in conventional manner.

The addition of the copolymers mentioned is also significant for the structure of the candle body. Specifically, use may be made here of a variety of polymers. Examples of these are diblock, triblock, radial-block and multiblock copolymers. It is particularly preferable to use a copolymer known as "Kraton G". This is a thermoplastic rubber. If the candle body is not solid, it has a gel-like structure.

The composition of the candle base material may vary very widely within the general teaching of the present application.

It is significant that the composition comprises a proportion of white oil and of the synthetic paraffins mentioned in the range from about 60 to 95%. Depending on how large a proportion of this is made up by the synthetic paraffins, there is a shift in the change temperature. The higher the proportion of the synthetic paraffins, the higher the change temperature. If the proportions are approximately equally weighted, i.e. in each case about 50%, the change temperature is about 20°C. If the proportion of the synthetic paraffins is about 90%, the changeover temperature is about 30°C. If the proportion of the

synthetic paraffins is about 10%, the change temperature is about 6°C.

Besides the synthetic paraffins mentioned, other substances, individually or in combinations, may also have been added to the candle base material. These are in particular poly-alpha-olefins, low-melting point paraffin fractions and products which have been obtained from naturally occurring fats and oils and have been prepared by a chemical modification process, such as for example butyl stearate. The poly-alpha-olefins may also have been provided in place of the synthetic paraffins mentioned. The same applies to low-melting point paraffin fractions and to the products which have been obtained from the naturally occurring fats and oils mentioned and have been prepared by a chemical modification process. Examples of these are stearic acid butyl ester, lauric acid methyl ester (tradename Edenor MEC 12 98/100) and triglycerides of caprylic acid (Myritol 312). Besides these synthetic products, it is also possible to use naturally occurring fats and oils (e.g. coconut oil).

The invention also provides a process for preparing a candle base material for a candle with a transparent candle body. To arrive at novel effects here with regard to the candle body, the invention proposes that a temperature-dependent change between opacity and transparency of the candle body is established by adding synthetic paraffin in the C18 to C20 chain range and/or one or more of the abovementioned other substances. In particular, it is preferred that the candle body is composed of from about 60 to 95% of a mixture made from white oil and synthetic paraffin in the chain length range mentioned, and that a relatively high change temperature is established by increasing or reducing the proportion mentioned of the paraffin, starting from a change temperature of about 20°C with equal proportions of the synthetic paraffin and of the white oil in the mixture.

Some examples of compositions of the candle base material are described below.

Example 1:

5

44.5% of white oil
44.5% of C8-C20 synthetic paraffin
6.0% of Kraton G 1650
5.0% of butyl stearate

10

A candle base material of this type has the following properties: at a temperature of about 10°C, it is paraffinically opaque and solid. About 18°C, a change begins from opacity to transparency. At about 15 20°C, the transparent candle base material becomes a clear candle base material.

Example 2:

20 50% of white oil (OOW 065)
43% of poly-alpha-olefins
7% of Kraton G 1650

This candle base material has properties 25 identical with those described above, except that the change from opacity to transparency and finally to a clear material does not start to occur until about 23°C.

30 Example 3:

50% of white oil (OOW 065)
33% of poly-alpha-olefins
10% of butyl stearate
35 7% of Kraton G 1650

The resultant properties are again substantially identical, except that in this case the

change from opacity via transparency to clarity takes place in the temperature region of 10°C.

Example 4:

- 5
40% of white oil (OOW 065)
10% of C18-C20
33% of poly-alpha-olefins
10% of butyl stearate
10 7% of Kraton G 1650

The resultant properties are practically identical to those of the candle base material described above under 3.

15
Example 5:

- 40% of white oil (OOW 065)
53% of low-melting point paraffin fraction
20 7% of Kraton G 1650

A change from opacity via transparency to clarity results at about +30°C here.

25
Example 6:

- 65% of white oil OOW 065
10% of C18-C20
19% of Myritol 312
30 6% of Kraton

A change from opacity via transparency to clarity results at about 10°C here.

35
Example 7:

- 65% of white oil OOW 065
15% of butyl stearate
10% of C18/C20

8% of Kraton G 1650

5 All features disclosed are pertinent to the invention. The disclosure content of the associated/attached priority documents (copy of the prior application) is hereby also incorporated in full in the disclosure of the present application, also for the purpose of including features of these documents in claims of the present application.

Claims

1. Candle base material for producing a candle with a candle body, where the candle base material is
5 partially composed of white oil and of a copolymer, characterised in that the candle base material has synthetic paraffin of chain length C18 to C20 as another constituent.
2. Candle base material according to Claim 1 or in
10 particular according thereto, characterised in that the candle base material has poly-alpha-olefins as a further constituent.
3. Candle base material according to one or more of the preceding claims or in particular according
15 thereto, characterised in that the candle base material has low-melting point paraffin fractions as a further constituent.
4. Candle base material according to one or more of the preceding claims, or in particular according
20 thereto, characterised in that the candle base material has products which have been obtained from naturally occurring fats and oils and have been prepared by chemical modification processes, for example butyl stearate, as a further constituent.
- 25 5. Candle base material according to one or more of the preceding claims, or in particular according thereto, characterised in that the copolymer is a diblock, triblock, radial-block or multiblock copolymer.
- 30 6. Process for preparing a candle base material for a candle with a transparent candle body, where the candle base material is partially composed of white oil and of a copolymer, characterised in that a temperature-dependent change between opacity and clear
35 transparency of the candle body is established by adding synthetic paraffins in the range of chain lengths from C18 to C20.
7. Process according to Claim 6, or in particular according thereto, characterised in that the candle

base material is composed of from 60 to 95% of a mixture made from white oil and synthetic paraffin in the chain length range from C18 to C20 and that a change temperature is established by increasing or
5 reducing the proportion of paraffin in the mixture.

8. Process according to one or more of Claims 6 or 7, or in particular according thereto, characterised in that the change temperature is set at about 20°C by using approximately equivalent proportions of white oil
10 and of the synthetic paraffins.

9. Process according to one or more of Claims 6 to 8, or in particular according thereto, characterised in that the copolymer is a diblock, triblock, radial-block or multiblock copolymer.



#3
529 Rec'd PCT/PTO 31 JUL 2000
Burl

22716/PCT/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

USA National Stage Patent Application
PCT/EP98/07300 filed November 16, 1998

Michael Matthäi, et al
Serial No.: 09/554,858
First Submission: Filed May 18, 2000

CANDLE BASE MATERIAL AND PROCESS FOR
PREPARING A CANDLE BASE MATERIAL

CERTIFICATE OF MAILING ON LAST PAGE

Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

S I R :

RESPONSE TO 1) NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 USC
371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)
AND 2) NOTIFICATION OF DEFECTIVE OATH OR DECLARATION, AND
SUBMISSION OF DECLARATION AND SURCHARGE

In response to the Office Action (copy enclosed) dated June 28, 2000 respectfully submitted herewith is the signed and dated Combined Declaration of the inventor (2 pages) in compliance with 37 CFR 1.63 (including 1.66 or 1.68) and 37 CFR 1.497(a) and (b), identifying the application by PCT International application no. and international filing date and with power of attorney.

Please note that the address of the inventor Gernot Meyer has changed as stated in the Declaration. Please notify attorney in the event a letter is required signed by the inventor setting forth above his signature this change of address.

The surcharge fee of \$130.00 for providing the oath or declaration later than the appropriate 30 months from the

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(Includes Reference to PCT International Applications)

ATTORNEY'S SIGNATURE

22716PCT/US

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CANDLE BASE MATERIAL AND PROCESS FOR PREPARING A CANDLE BASE MATERIAL

the specification of which (check only one item below):

☐ is attached hereto.

☐ was filed as United States application

Serial No. _____

on _____

and was amended

on _____ (if applicable).

☒ was filed as PCT international application

Number PCT/EP98/07300

on November 16, 1998

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (If PCT indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day month, year)	PRIORITY CLAIM UNDER 35 USC 119
Germany	197 51 351.4	20/11/1997	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U S APPLICATIONS		STATUS (Check one)		
U S APPLICATION NUMBER	U S FILING DATE	PATENTED	PENDING	ABANDONED

PCT APPLICATIONS DESIGNATING THE U S		
PCT APPLICATION NO	PCT FILING DATE	U S SERIAL NUMBERS ASSIGNED (if any)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) MARTIN A. FARBER, Esq., Reg. No. 22,345
866 United Nations Plaza, Suite 473
New York, NY 10017
U.S.A.

Send correspondence to: <u>MARTIN A. FARBER</u> <u>866 United Nations Plaza, Suite 473</u> <u>New York, NY 10017</u>	Direct Telephone Calls to: <small>(name and telephone number)</small> <u>MARTIN A. FARBER</u> <u>(212) 758-2878</u>
---	--

201	FULL NAME OF INVENTOR <u>MATTHAI</u>	FAMILY NAME <u>MATTHAI</u>	FIRST GIVEN NAME <u>Michael</u>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP 	CITY <u>Henstedt-Ulzburg</u>	STATE OR FOREIGN COUNTRY <u>Germany DEX</u>	COUNTRY OF CITIZENSHIP <u>Germany</u>
	POST OFFICE ADDRESS 	POST OFFICE ADDRESS <u>Matthias-Claudius-Str. 57</u>	CITY <u>Henstedt-Ulzburg</u>	STATE & ZIP CODE/COUNTRY <u>D-24558 Henstedt-Ulzburg, Germany</u>
202	FULL NAME OF INVENTOR <u>MEYER</u>	FAMILY NAME <u>MEYER</u>	FIRST GIVEN NAME <u>Gernot</u>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP 	CITY <u>Rosengarten</u>	STATE OR FOREIGN COUNTRY <u>Germany DEX</u>	COUNTRY OF CITIZENSHIP <u>Germany</u>
	POST OFFICE ADDRESS 	POST OFFICE ADDRESS <u>Am Hambogen 15 o</u>	CITY <u>Rosengarten</u>	STATE & ZIP CODE/COUNTRY <u>D-21244 Rosengarten, Germany</u>
203	FULL NAME OF INVENTOR <u>LAUDI</u>	FAMILY NAME <u>LAUDI</u>	FIRST GIVEN NAME <u>Bernd</u>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP 	CITY <u>Gockels</u>	STATE OR FOREIGN COUNTRY <u>Germany DEX</u>	COUNTRY OF CITIZENSHIP <u>Germany</u>
	POST OFFICE ADDRESS 	POST OFFICE ADDRESS <u>Bundesstrasse 13</u>	CITY <u>Gockels</u>	STATE & ZIP CODE/COUNTRY <u>D-25557 Gockels, Germany</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 	SIGNATURE OF INVENTOR 202 	SIGNATURE OF INVENTOR 203
DATE <u>29.05.2000</u>	DATE <u>29.05.00</u>	DATE <u>30.05.00</u>